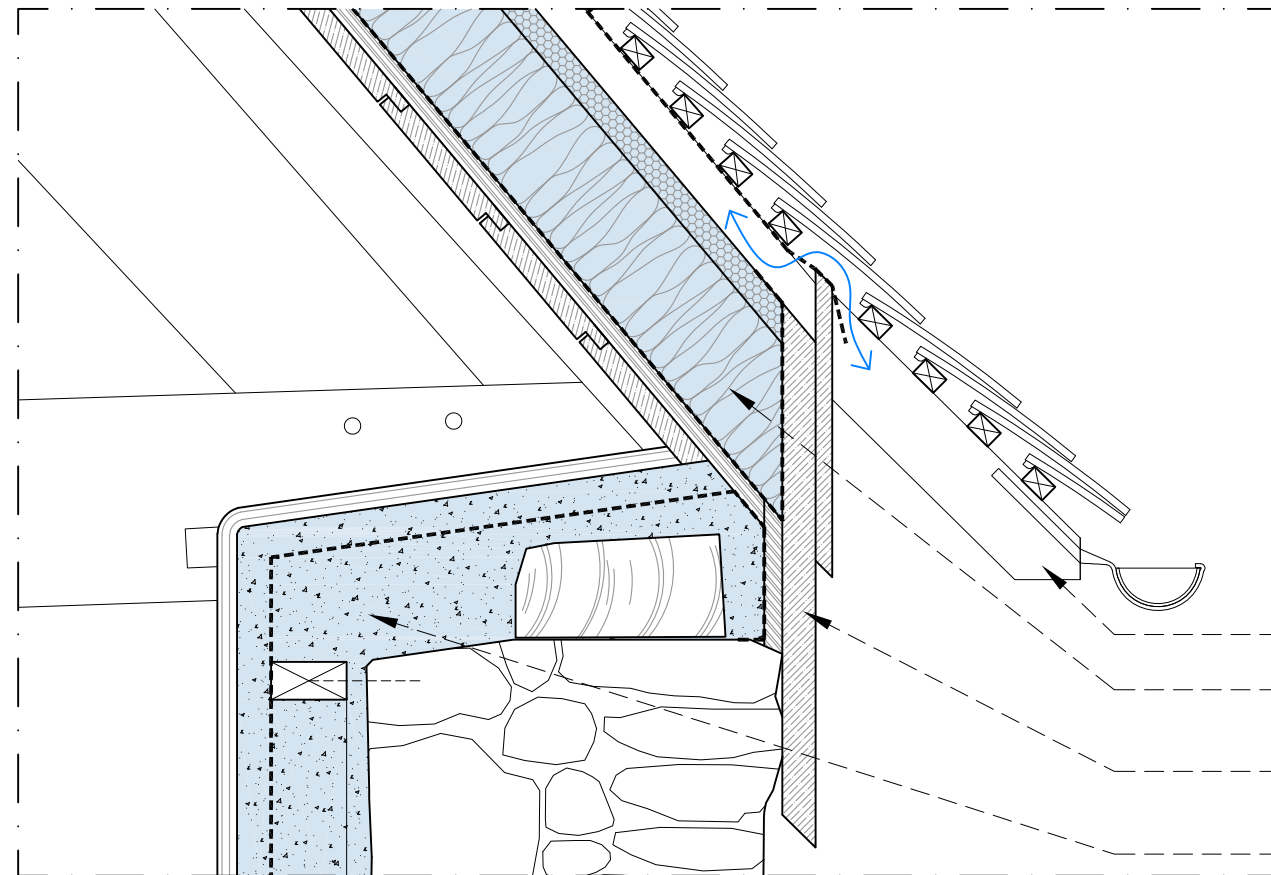


- RIDGE TILE & RIDGE TILE VENTILATOR
Type Nicholson Airtrak or similar TBC.
- TRADITIONAL CLAY TILES
On tanalised SW battens.
- UNDERLAY MEMBRANE
Trapped underneath tile to allow ventilation path.
- COUNTER-BATTENING
50mm deep for ventilation.
- INSULATION BOARD OVER RAFTERS
To form continuous insulation layer over timber build-up.
Type Woodfibre or similar TBC.
- INSULATION WITHIN RAFTERS
Type Woodfibre or similar TBC - Thickness equivalent to rafters.
- PLYWOOD SHEETING & BREATHABLE MEMBRANE
To SE specifications to strengthen the existing structure.
- GREEN OAK BOARDING
1 / 2 lapped 25x200mm with 30mm lap fixed to allow for seasoning.
- EXISTING MAIN TIMBERS
Made good and kept in place.

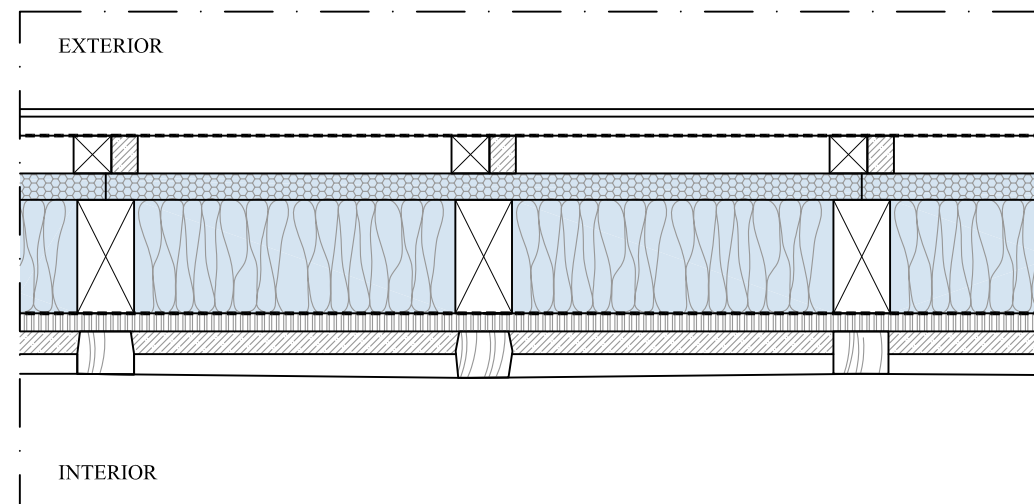
NOTE: Structural Engineer to confirm fixing of roof structure and strengthening / bracing of existing main timbers.

TYPICAL RIDGE BUILD-UP - BARN 'A'
1:10 @ A3



- OAK SPROCKETS
- ROOF BUILD-UP
See detail above.
- OAK BOARDING
To provide eave ventilation.
- HEMPCRETE INSULATION
See separate details.

TYPICAL EAVE BUILD-UP - BARN 'A'
1:10 @ A3



TYPICAL ROOF BUILD-UP - BARN 'A'
1:10 @ A3

OUTSIDE

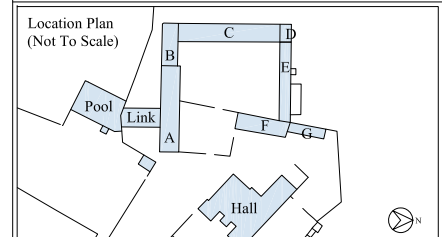
- Traditional clay tiles;
- Tanalised SW battens;
- Underlay membrane;
- Counter-battening to allow 50mm; ventilation & support sprockets;
- Insulation boarding over rafters to cut thermal bridging;
- Rafters to SE specifications including insulation in between with thickness equivalent to rafters;
- Breathable membrane;
- Plywood sheathing fixed onto existing rafters to SE specifications;
- Green oak boarding in between existing rafters;
- Existing visible timber structure (purlins, rafters and trusses);

INSIDE

Notes
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This drawing has been based on survey information provided by others.
All dimensions and setting out must be verified on site before commencement of the work, and any discrepancies notified to the architect.
All windows and doors are to fit into existing openings unless stated otherwise.
All dimensions are in millimetres unless stated otherwise.

- Drawing Notes:**
- Surveyed and drawn by James Brennan Associates Chartered Surveyors for Arrol Architects Ltd & GQA - Issue date December 2020 & July 2021.
 - Survey grid is OS GPS & levels are related to ordnance survey GPS datum.
 - Units are meters.
 - Survey accuracy with a scale of 1:100.
 - To be read in conjunction with all PLBC drawings and information.

- KEY**
- Proposed layer of insulation are highlighted in blue.



PLANNING ISSUE

Rev	By	Date	Description

Drawing Number
9801 PLBC (2) 603

Project
Aston Hall Barns
Job No. 9801

Title
**Proposals to Existing Barns:
Typical Roof Build-up**

Drawn GB	Checked GQ
Date 08 2021	Scale 1:10 @ A3

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